





# The Digital Photography SourceBook

# Section 9

## SCANNERS

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For Section 9, Scanners,  
use Quick Dial #: 63

## PRIMEFILM PF3600U • PRIMEFILM PF3650U

### 3600 dpi 35mm Film Scanners

Affordable film scanners designed for amateur photographers, web designers, PC enthusiasts and graphics designers, the PrimeFilm PF3600U and PF3650U have a unique combination of high resolution, natural color reproduction and high scanning speed. They digitize 35mm slides and filmstrips with true 48-bit scanning capability distinguishing 68.7 billion distinctive colors and capture up to 18 megapixels per image (5328 x 3444 pixels). This results in impressive shadow and highlight details, preserving every photographic detail with incredible accuracy.

Even while providing such high image quality, the PrimeFilm PF3600U and PF3650U are still very simple to use - just insert your filmstrips or mounted slides into the proprietary 35mm viewing window, and you are ready to scan, with one button push. Furthermore, the easy-to-use TWAIN-compliant Cyberview X driver offering many diverse levels of custom controls will be appreciated by both novices and experienced users alike. Above all, the PrimeFilm 3600U 3650U are fast - taking only 65 and 85 seconds, respectively, to give you a true 3600 dpi resolution scan. It speeds up overall project completion times and enhances your workflow efficiency. The PF3650u has the added benefit of Digital ICE<sup>3</sup> Image Enhancement Technology which provides automated dust and scratch removal, color reconstruction, and grain management. The PF3600U interfaces with your computer via USB. The PF3650U offers a USB 2.0 interface with 480 MB per second throughput, facilitating high speed image transfer.



#### THEY BOTH FEATURE

- ◆ Quickly and easily transfer your 35mm slides and film into Digital format.
- ◆ Scan at 3600 dpi to yield a high quality 18 megapixel (5328 x 3444 pixels) image from your 35mm slides & negatives.
- ◆ Maximum scanning area: 36.5mm x 24.3mm
- ◆ Extensive edit features allow you to optimize the scanning workflow with automatable parameters, Crop, Rotate and auto scan to file functions.
- ◆ CyberView X driver software is capable of scanning a single frame as well as filmstrips and displaying the preview at high speed. CyberView X driver is a powerful tool for both optimizing scanning and color reproduction with adjustable parameters including image palette, color balance and tone Curve/Histogram setting.
- ◆ Preview how an image will be effected on your image palette before applying any adjustments.
- ◆ Color Balance parameters brightness, contrast, saturation and color (CMYK or RGB) can be adjusted and compared before and after in real time.
- ◆ Powerful curves and level tools help you to adjust color fidelity to the finest detail based on the image histogram

#### PF3600U Specifications

- ◆ Dimensions (HxWxL): 2.6 x 6.5 x 10.6"
- ◆ Weight: 2.2 lbs.

#### PrimeFilm 3650u Adds—

- ◆ 48 bit color depth combined with 3.2 dynamic range delivers sharp images with every scan.
- ◆ The 3600 dpi high resolution can produce a maximum image size of 3,456 x 5184 pixels from your 35mm film and slides to create a perfect 10 x 14" enlargement.
- ◆ The Digital ICE<sup>3</sup> Imaging Suite offers a superior range of digital enhancement tools including Digital ICE dust and scratch removal; Digital ROC color restoration; and Digital GEM grain elimination
- ◆ Also includes Adobe Photoshop Elements 4
- ◆ Dimensions (HxWxL): 2.8 x 6.7 x 10.9"
- ◆ Weight: 2.2 lbs



Prime-Film 3600u (3600U).....209.95

Prime-Film 3650u (PF3650U).....269.95

#### Digital ICE

Films are likely to have dusts, scratches, and other defects, no matter how careful you store them, and Digital ICE™ technology, designed specifically for dedicated film scanners, is by far the most effective tool to automatically remove these defects during scanning. Due to the fundamental difference in design architecture, a flatbed scanner is incapable of an ICE implementation. You would end up spending hours retouching your images with an image editing software.

# PACIFIC IMAGE

## PRIMEFILM PF3610AFL

### 3600 dpi Auto Loading 35mm Film Scanner

Affordable high-quality 35mm film and slide scanning has never been easier. Featuring 3600 dpi, autofocus, batch scanning and automatic film loading capabilities, the PrimeFilm 3610AFL will save you time and frustration. You can even scan a whole roll of film unattended! True optical 3600 dpi and 3.2 dynamic range produce sharp, high-quality scans with amazingly natural and accurate color reproduction with enough resolution to enlarge images up to 8x10" and still look great when printed. Easy to use from installation to operation, the PrimeFilm 3610AFL has a hassle-free USB 2.0 interface that provides fast data transfer and convenient connection. Use the bundled Photoshop Elements' powerful image editing capabilities to restore your slides to their original beauty.

- ◆ Preserve all of the color and detail of your original slide or negative with 48-bit color; and with a 3600 dpi optical resolution, you can easily produce poster size prints.
- ◆ Easily scan individual negative frames and strips, 35mm mounted slides and roll film
- ◆ Auto Film Loading of negative strips and uncut developed roll film (up to 40 frames) allows you to create high quality photo images within minutes.
- ◆ Auto Film Loading (AFL) provides batch scanning capability — simply insert your filmstrips and mounted slides into the proprietary 35mm viewing window, and you are ready to scan.
- ◆ An attractive sliding door protects the inner mechanism from dust so you get clean and sharp images every scan. Spare slide scans are included if you want to scan an individual frame of film.
- ◆ Preview a scan in as little as seven seconds and achieve a 3600 dpi resolution scan in as little as 80 seconds per frame.
- ◆ Optimize the scan result with adjustable color and image quality parameters, or utilize the auto scan to file functions; then crop, or rotate your image to suit your needs.

**Prime-Film PF3610AFL**  
(PAPF3610AFL) ..... 309.95



## POWERSLIDE PS3600 • PS3650

### 3600 dpi Automated 35mm Slide Scanners

The PowerSlide 3600 and 3650 are one-of-a-kind scanners that batch scan mounted slides automatically, creating high-quality digital files. The PowerSlide scanners turn all your slides into a digital format, allowing your slide shows to be viewed on your living room TV, LCD projector, computer monitor, e-mail or web site. Heavy and bulky slide projectors are no longer needed. The supplied slide tray allows you to scan up to 50 2" x 2" slides per batch run. They operate at 3600 dpi optical resolution, which produce a digital image of approximately 28-megapixels. They also include a view window built into the scanner allowing you to see what is being scanned. The PS3650 adds Digital ICE3 restoration and reconstruction Technology.



- ◆ World's first slide scanner specifically designed to batch scan 35mm mounted slides (scanning area is 37.5mm x 37.5mm with a 50mm x 50mm mount). By using a slide magazine or carousel, you can scan up to 50-100 mounted slides at a time.
- ◆ With 3600 dpi, 48-bit color depth and a 3.8 Dmax dynamic range, delivers reproductions that are amazingly faithful to the original.
- ◆ Triple interface for versatility and fast performance. Offers two USB (1.1 and 2.0) and IEEE1394 (Firewire) ports.
- ◆ Includes Photoshop Elements, which allows you to produce high-quality images for print or internet purposes.

**PowerSlide PS3600** (PAPS3600) ..... 599.95  
**PowerSlide PS3650** (PAPS3650) ..... 799.95

## FLEXTIGHT X1 • X5

### Multi-Format Drum Scanners

The Flextight X1 and Flextight X5 are high-end film scanners that will satisfy the respective image quality and speed needs of professional photographers and production environments. Developed around Hasselblad's patented virtual drum design and flexible magnetic holder and incorporating a 3x8000 optic CCD sensor and a Rodenstock lens, both scanners are fast, easy-to-use and offer professional photographers and production environments, such as photo-labs, archives, prepress and picture libraries, unparalleled image quality. Both scanners also feature a new time-saving 'Auto Scan' button, which with one press automatically delivers a superb, high resolution scan.

The Flextight X1 has been developed with value for money in mind. It scans 35mm originals at a maximum non-interpolated optical resolution of 6300 dpi at a respectable maximum speed of 60MB per minute. The Flextight X5, which operates at five times the speed of the X1, is built for speed and scans 35mm originals at up to 8000 dpi and at a blistering speed of 300MB per minute, making it the world's fastest, high-end scanner. The X5 also has an A4 reflective scanning option, can take a batch or slide feeder and incorporates Hasselblad's active cooling capability, where an electronic device is placed directly on the CCD to cool it down and prevent an increase in electrical noise.

The X1 and X5 offer outstanding sharpness and image quality and are designed to bring out the finest details and the full tonal range of the professional photographer's film. Both Flextight models offer a maximum non-interpolated, optical resolution of 3200 dpi in true 8 or 16 bit colour from 60mm originals and 2040 dpi from 4" x 5" originals, both positive and negative. The two scanners also provide automatic frame detection, batch scanning, automatic focus and calibration, software Auto Dust Removal (hardware-based also available on the X5), and both utilize Hasselblad's unique FlexColor software and 3F - Flexible File Format – digital data management system to provide users with a fully integrated workflow solution that spans from image capture to output. Both scanners are PC and Mac compatible and interface via FireWire.



### X1 FEATURES

- ◆ The generous 6300 dpi optical resolution is more than you need in most cases. And even though you can find scanners with higher optical resolution, you will not find better clarity and detail rendition when scanning photographic film. This is due to the electronic handling of the sensor, the mechanical precision, the quality of filters, and the resolving power of the Rodenstock lens.
- ◆ Scans up to 60 MB per minute and is an unusually efficient scanner that will carry out most tasks quickly and easily.
- ◆ A vertical optical system allows the CCD to face downwards, creating a glass-free optical path between original and lens. The patented virtual drum solution produces optimal focusing across the entire original, and the flexible holder guarantees easy mounting and safe, secure handling of the originals.
- ◆ The easy to mount FlexHolder system produces a very high throughput. The glass-free holders 'flex' the original during the scanning process to form a completely straight line that places nothing between the original and the electronic image sensor. This ensures that the quality remains at its highest level without distortions and other artifacts.
- ◆ With the FlexHolder system you either mount several originals in one holder or a film strip of 4 or 6 images. In that way you can utilize the advanced batch scanning capabilities scanning up to 6 images in one go. Alternatively, you can utilize the unique 3F scanning feature.
- ◆ As the electronics run at a low frequency, no Peltier cooling device is needed.

### The 3F file and workflow

- ◆ Mount a film strip and press the 3F Auto Scan button - the scanner will automatically detect and crop each image and save them with different names. The images are scanned in the specified resolution at 16 bits per color. The 3F file is never altered but will act as a "preview scan" when you open it later. You can redo all operations and change whatever parameters you like. This is like re-scanning without the original present.
- ◆ The 3F Auto Scan button makes it is possible to obtain the finest quality scan with one click of a button – literally! So now we can really say that scanning has never been easier!

**Flextight X1 (HASFX1) .....11,994.95**

**Flextight X5 (HASFX5) .....17,994.95**

# HASSELBLAD

## FLEXTIGHT X1 • X5

### X5 FEATURES

#### Up to 8000 dpi

- ◆ The very high quality Kodak CCD is an 8000+ pix sensor. Even though you can find scanners with larger sensors you will not find better clarity and detail rendition when scanning photographic film. That is due to the electronic handling of the sensor, the mechanical precision as well as the quality of filters and the resolving power of the Rodenstock lens.

#### Up to 300 MB per minute

- ◆ Running the electronics at this speed demands a great deal from the internal design and is also a challenge in terms of heat generation. Therefore the Flextight X5 scanners are equipped with a Peltier cooling device on the CCD itself. In this way heat is controlled which avoids compromising the quality of the scans.

#### Dust Removal Features

- ◆ The scanner is equipped with a light condenser eliminating the effect of small dust particles, which are normally invisible unless you zoom 100% into your image. They can be the most annoying and time-consuming part of scanning but they are removed without losing speed or quality. Additionally, you can add the FlexTouch dust removal feature which will remove dust and small scratches without having any impact on the sharpness at all.



Flextight Original Holder

#### Batch and Slide Feeder

- ◆ By attaching the optional Batch Feeder it is now possible to set up an automatic scanning workflow. The Batch Feeder allows up to 60 originals to be scanned, unattended. The Batch Feeder can take most kinds of transparencies and they are automatically recognized and scanned according to pre-defined specifications. The Feeder holds up to 50 slides, which can be scanned in one batch. The files produced can either be final TIFF files cropped and corrected or saved as raw 3F files, which can be opened and corrected just if they were initial scans.

#### The 3F file and workflow

When selecting the 3F file format as automatic scan mode, the image is scanned in a specified resolution at 16 bits per color. This way, the full range of the original is extracted from the scan. The 3F file is never altered but acts as a preview scan when you open it later, so you can re-do all operations and change whatever parameter you like. This is like re-scanning, but without the film original present. Furthermore – every time you save a file from the 3F format, the history of your decisions is embedded inside the file, which will enable you to repeat whatever you have been doing whenever you like.

#### Both The X1 and X5 Include

- ◆ Power Supply ◆ FireWire Cable
- ◆ Set of 4 Film Holders (35mm, 6x6/6x4.5cm, Xpan, 4x5")
- ◆ Software CD-ROM (FlexColor software)
- ◆ Users Guide ◆ 1-Year Limited Warranty



Optical sensor	CCD (3x8000)	CCD (3x8000)
Max optical resolution		
35 mm	6300 dpi	8000 dpi
60 mm	3200 dpi	3200 dpi
4" x 5"	2040 dpi	2040 dpi
Original type	Neg/Pos	Neg/Pos/Prints
Color depth	16 bit	16 bit
Max scan speed 16(8) bit MB/min	60 (30)	300 (150)
Auto frame detection	✓	✓
Auto focus	✓	✓
Batch scanning	✓	✓
Batch- and Slide Feeder Compatibility	—	✓
Interface	Firewire	Firewire
Platform	PC / Mac	PC / Mac
Dmax - Dynamic Range	4.6	4.9
Format		
Film	100 x 245 mm	100 x 245 mm
Reflection	—	A4
Active cooling	—	✓
FlexTouch	✓	✓
3F scan initiated directly on scanner	✓	✓
Light condensator	—	✓
Dimensions / Weight	9 x 15.4 x 25.6" / 45.2 lbs	9 x 15.4 x 25.6" / 45.2 lbs

## COOLSCAN V ED • SUPER COOLSCAN 5000 ED/9000 ED

### Film Scanners

Nikon's Coolscan film scanners offer true 4,000 dpi optical resolution and A/D conversion at up to 16 bits, to deliver superior-quality digital images at an ultra-high resolution of 21 megapixels. Designed for photo hobbyists, professional photographers and graphics professionals, the Coolscan V ED, Super Coolscan 5000 ED and the Super Coolscan 9000

ED are loaded with features and benefits including Applied Science Fiction's Digital ICE<sup>4</sup> Advanced technology, Nikon's exclusive Scan Image Enhancer and other 'one-button-simple' solutions. These film scanners also deliver industry-leading scanning speeds. The Coolscan V ED scans a 35mm image in 38 seconds. The Super Coolscan 5000 ED's low-noise, 2-line CCD helps reduce the time required to scan a frame of 35mm film to an amazing 20 seconds. The Super Coolscan 9000 ED can scan 6 x 9 film in 185 seconds. To ensure fast image transfer, the Coolscan V ED and Super Coolscan 5000 ED offer a plug-and-play USB 2.0 interface and the Super Coolscan 9000 ED offer IEEE1394 FireWire.



### FEATURES

- ◆ 4000 dpi optical resolution provides scans that capture all the detail and color of your original negative or slide
- ◆ Low-heat, high-accuracy LED light source. Most scanners use halogen or fluorescent lamps as light sources, but they require time to warm up and the heat they generate can cause damage to film. Nikon scanners employ LEDs as the source of light. LEDs are a stable, precise light source, which require no maintenance or warm-up time and present no risk of your film being damaged.
- ◆ The single most important element in the production of high-quality scans is the lens. Nikon ED (Extra-low Dispersion) lens elements are far superior in edge-to-edge sharpness, definition and contrast, as well as color registration, saturation and accuracy.
- ◆ Digital ICE<sup>4</sup> Advanced comprises four cutting-edge image-correction components which help ensure superior image quality and operational efficiency.
- ◆ Easy image data management with NikonView
- ◆ Improved Nikon Scan 4 with all new Scan Image Enhancer for automatic color/contrast compensation
- ◆ Nikon Color Management System provides consistently accurate reproduction of image data on monitors and in printouts. Each model is compatible with ICC standards.

- ◆ They all include an Easy Scanning Guide CD-ROM which features a custom, animated Flash tutorial explaining the setup and operation of each new scanner.

### Coolscan V ED

The Coolscan V ED is an affordable, high-performance film scanner that is designed to be easy to operate for first-time scanner users.

- ◆ 14-bit A/D converter delivers superior image reproduction with 4.2 optical density max.
- ◆ Fixed film, movable plane single-pass optical scanning system.
- ◆ Fast 38 second full resolution scan time (including image transfer to display).
- ◆ High-speed USB 2.0 interface for fast data transfers.
- ◆ Includes MA-21 Slide Mount Adapter and SA-21 Strip Film Adapter.
- ◆ Optional Adapters include FH-3 Strip Film and FH-G1 Medical Slide Holder.

### Super Coolscan 5000 ED Step-up Features

The Super Coolscan 5000 ED is ideal for small and medium-sized businesses including professional photographers, web developers and photo finishers, who demand the highest standard of image quality and ultra high-speed scanning capability.

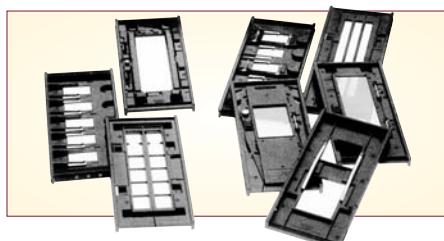
- ◆ Designed with the needs of imaging professionals in mind, with a 16-bit A/D converter and 16-bit output channel that gives pros the speed and power they need.
- ◆ Superior image reproduction and detail with 4.8 optical density max.
- ◆ Fast 20 second full resolution scan time (including transfer to display).
- ◆ Low-noise 2-line CCD doubles the scanning speed.
- ◆ 2, 4, 8, 16x multi-sample scanning helps produce rich, noise-free images. Multi-sample scanning removes virtually all the noise that can appear after only one scan. By making as many as 16 passes, it ensures faithful reproduction with smoother gradation.
- ◆ Offers an optional SA-30 Roll Film Adapter and SF-210 Slide Feeder.

## COOLSCAN V ED • SUPER COOLSCAN 5000 ED/9000 ED

### *Super Coolscan 9000 ED Step-up Features*

The Super Coolscan 9000 ED is the ultimate film scanning solution for serious imaging professionals designed to handle a broad range of film formats such as 35mm, 120/220, 16mm, 6 x 7, 6 x 9 film, electron microscope and more. The Super Coolscan 9000 ED caters specifically to professionals in fields such as advertising and studio photography who regularly work with 120/220 format films.

- ◆ 4000 dpi true optical resolution for all film formats.
- ◆ High-speed scanning (35mm slide film: 40 sec., 6x9: 185 sec. full resolution scan time).
- ◆ Low-noise 3 line mono-chrome CCD doubles the scanning speed.
- ◆ Exclusive rod dispersion LED illumination for accurate color consistently.
- ◆ Multi-format for 16mm, 35mm up to 6x9 film, and slide glass, Electron microscope film.
- ◆ Digital ICE<sup>4</sup> Advanced™ with Digital ICE Professional™ for image restoration/adjustment (compatible with KODACHROME film in most scenes).
- ◆ IEEE1394 FireWire computer interface for extremely fast data transfers.
- ◆ A FireWire interface card is included for Mac OS & Windows.



#### Included Adapters

FH-835M 35mm Mounted Film Holder

FH-835S 35mm Strip Film Holder

FH-869S 120/220 Strip Film Holder

#### Optional Adapters

FH-869M 120/220 Mounted Film Holder

FH-869G 120/220 Strip Film Holder with Glass

FH-869GR 120/220 Film Rotating Holder with Glass

FH-816 16mm Film Holder

### *Nikon Scan 4*

Nikon's Coolscan lineup features a host of cutting-edge image restoration functions. These progressive image correction tools give scanner users more freedom in image manipulation, and help ensure super high-fidelity reproduction and highly efficient operation. Nikon Scan also supports batch scanning and can be used to scan images directly into third-party applications such as Adobe Photoshop.

#### Scan Image Enhancer

- ◆ Scan Image Enhancer provides one-touch image correction.
- ◆ Automatic brightness and color saturation adjustments with no complicated control settings, make it easy to produce images with optimal contrast.

### *Digital ICE4 Advanced*

Digital ICE4 Advanced™ comprises four cutting-edge image-correction components which help ensure superior image quality and operational efficiency.

#### Image Correction & Enhancement:

Digital ICE™ removes defects or scratches on the surface of the film without losing any details or other elements of the original image.

#### Restoration Of Color

Digital ROC™ brings faded color of old films or slides back to life. Enjoy vibrant, faithfully rendered images.

#### Grain Equalization & Management

Digital GEM™ reduces the effects of film grain. The resulting images are sharp, clear and devoid of grain clumping or graininess.

#### Dynamic Exposure Extender

Digital DEE™ helps reveal details hidden in shadows and highlights. It compensates for both underexposure and overexposure.

	Coolscan V ED	Super Coolscan 5000 ED	Super Coolscan 9000 ED
Media (Negatives and positives, in color and monochrome)	35mm slides and film (IX240) film* and Medical slides*	35mm slides and film (IX240) film* and Medical slides*	35mm slides and film Medium-format slides and film, 16mm film* and Medical slides*
Optical resolution Image sensor	Up to 4,000 pixels per inch 3,964-pixel linear CCD image sensor	Up to 4,000 pixels per inch 3,964-pixel, two-line linear CCD image sensor	Up to 4,000 pixels per inch 10,000-pixel, three-line monochrome linear CCD image sensor
Light Source	R, G, B and Infrared (IR) LEDs	R, G, B and Infrared (IR) LEDs	R, G, B and Infrared (IR) LEDs, light source with rod disperser and light output slot
AD conversion	14 bits per color	16 bits per color	16 bits per color
Density range	4.2	4.8	4.8
Output	Full color or grayscale at 8 or 16 bits per channel	Full color or grayscale at 8 or 16 bits per channel	Full color or grayscale at 8 or 16 bits per channel
Computer Interface	USB 2.0	USB 2.0	IEEE 1394
Dimensions (WxHxD)	3.8 x 6.8 x 12.4"	3.8 x 6.8 x 12.4"	9.8 x 19.6 x 8.0"
Weight (approx.)	6.6 lbs	6.6 lbs	19.8 lbs
Scanning time (with no options selected)	Preview: 14 sec. Scan*: 38 sec.	Preview: 11 sec. Scan*: 20 sec.	Preview: 13 sec. (35mm) Scan*: 40 sec. (35mm)

## SILVERFAST Ai

*SilverFast Ai* is high-end scan and imaging software (stand-alone or plug-in) that sets the standard for ease of control and sophistication for desktop-scanners and digital cameras. Available for more than 120 scanners and digital cameras under Mac (OS 9.2 or later), and Windows (98, ME, NT 4.0, XP, 2000) operating systems. *SilverFast Ai* combines a very intuitive user interface with a sophisticated and professional control. Beginners and professionals will appreciate the unique real-time controls and the intelligent automatic functions as well as the possibility to manually adjust the image at any point. Predictable color from the *SilverFast Ai* preview gives imaging and color reproduction a new dimension securing the correct workflow with the ScanPilot. The professional user can adjust any operation via numerical input and can precisely monitor the results using an online densitometer. *SilverFast Ai* enables any level of user to get brilliant results quickly.



### FEATURES

- ◆ All image manipulations such as gradation, global and selective color corrections are applied using a realtime, mouse-driven slider control.
- ◆ Optimize your image using the Ai automatic image enhance button. Image type pre-selection accommodates different motives of the image (i.e. a sunset)
- ◆ SilverFast's multi-sampling feature removes the noise that can be generated by some scanners by averaging over multiple scans.
- ◆ Drag & drop your scans right from the SilverFast Ai prescan window to another application.
- ◆ Match the preview image to the final image in Photoshop, without any color drift, with SilverFast Ai's color management system. Simply set SilverFast to keep its working space identical to Photoshop's. You can even embed the color profile into Photoshop.
- ◆ Using ICC-Profiles for the scanner, monitor and printer, and the capability to embed color profiles into your final scans, SilverFast Ai enables professional color accuracy using the latest OS technologies (ColorSync 3 and ICM 2.0 compatible). Rendering intent is another option, giving you control on how your profiles are applied to the image. This can be further enhanced using the IT-8 calibration option.
- ◆ Supports 4 file output formats: TIFF, EPS, DCS, and JPEG. You can either scan or batch scan directly into these file formats, bypassing Photoshop completely.
- ◆ Display up to 4 denistometers allowing 4 unique measurements of the image to be displayed simultaneously.



- ◆ The scanner preview corresponds 1:1 with the CMYK-preview in PhotoShop—making production of perfect color-printing easy.
- ◆ A selective color correction mask can be applied to just a small portion of the image, while the rest of the image is untouched.
- ◆ Sharpness functions are optimized so that high-end sharpness quality is gained. Unsharp-Masking-Preview allows the sharpness of the final scan to be monitored, for maximum sharpness without trial and error.
- ◆ The histogram can be split into three color channels, allowing easier image viewing and adjustment. Full control over the image, allows you to make the finest adjustments.
- ◆ With intelligent recognition of the colors and extended effective range, just click onto the color you want to correct and SilverFast Ai will distinguish it from others, only changing the specified color.

- ◆ With softproof, a single color separation can be represented at a time. This allows you to view the individual C, M, Y, K channels.
- ◆ HiRePP (High Resolution Picture Performance) brings extraordinary productivity to processing large (over 500 MB) high resolution images.
- ◆ Adjust and process any negative for optimum results with ability to create your own negative profiles (120+ profiles included).
- ◆ SRD (Smart Removal of Defects) dust and scratch removal function can be used during the scan process.
- ◆ ACR (Adaptive Color Restoration) brings back faded out or weak colors with an automatic function. The function's strength can be controlled with a slider. Also too much saturation can be normalized or decreased.
- ◆ GANE (Grain and Noise Elimination) substantially reduces artifacts from noise or film grain with "before and after preview".
- ◆ Color casts resulting from mixed light conditions can be easily eliminated. Up to 4 neutral points can be set, and by means of a special dialog neutral density values can be edited. This powerful tool can be used by just clicking onto the affected area. For fine tuning edit fields showing the "before and after" RGB or CMY values is available.
- ◆ Includes 1:1 Quicktime movies with sound for online training, so you can understand and know how to operate each function.

*SilverFast AI* is available for dozens of popular models of scanners and digital cameras. Call B&H for compatibility and pricing.



[www.bhphotovideo.com](http://www.bhphotovideo.com)

**CANOSCAN LiDE 25/70/600F • CANOSCAN 4400F/8600F****Flatbed Photo Scanners**

The affordable CanoScan LiDE 25, 70 and 600F scanners offer a convenient range of features along with easy to use push button operation. Each includes powerful software applications including CanoScan Toolbox 4.9, which lets you to scan documents and then create and manipulate PDFs. Multi-Scan (batch scanning) Mode feature lets you scan multiple images simultaneously. And for added convenience, the LiDE series are USB bus powered — that means that one convenient cable to your computer provides both a USB connection and power.



- ◆ The streamlined LiDE 25 offers 1200 x 2400 color dpi resolution and 48-bit color depth. It has 3 Direct Function Buttons and comes with Quick Automatic Retouching and Enhancement technology, which reduces much of the dust and scratches that may appear on your older originals. The unique Z-Lid expansion top lifts approximately 1" vertically then lies down flat on the item you are scanning, for a clear, complete scan of bulky items.
- ◆ The LiDE 70 steps up with 2400 x 4800 color dpi resolution, a fast 10 second preview time and 4 Direct Function Buttons.
- ◆ The LiDE 600F offers 4800 x 9600 dpi resolution and includes a transparency adapter for six 35mm frames of film. 7 Direct Function Buttons including Scan, Copy, E-Mail and expanded PDF functions.

CanoScan LiDE 25 (CAL25) ..... 49.95      CanoScan LiDE 70 (CAL70) ..... 79.95      CanoScan LiDE 600F (CAL600F) ..... 139.95

**CANOSCAN 4400F/8600F Photo and Film Scanners**

Like the LiDE 600F, the CanoScan 4400F and 8600F combine 8.5 x 11.7" reflective flatbed scanning with film and negative scanning. Both models feature FARE (Film Automatic Retouching and Enhancement) — a problem solving automation feature that compensates for backlighting, removes dust and scratches, revives faded colors; optimizes highlights and shadows, and clears up grainy images for the best scans possible. The 4400F has a 4400 x 9600 dpi resolution and has a super-fast preview speed of 2.6 seconds. It can accommodate 6 frames of 35mm negatives and 4 frames of 35mm mounted slides.

The CanoScan 8600F offers an impressive 2 second preview time along with a generous transparency scan area of 10 x 3" that can accommodate 12 frames of 35mm negatives, 4 frames of 35mm mounted slides, or a 22 x 6cm roll of 120 film.

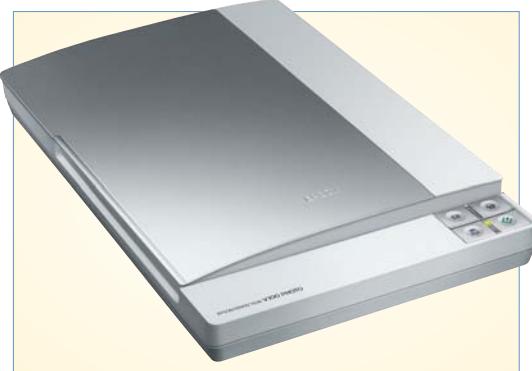
	LiDE 25	LiDE 70	LiDE 600F	4400F	8600F
Light Source	Three-color RGB LEDs	Three-color RGB LEDs	Three-color RGB LEDs	Cold Cathode Flr. Lamp	Cold Cathode Flr. Lamp
Optical Resolution	1200 dpi	2400 dpi	4800 dpi	4800 dpi	4800 dpi
Color / Grayscale Depth	48-bit / 16-bit	48-bit / 16-bit	48-bit / 16-bit	48-bit / 16-bit	48-bit / 16-bit
Reflective Scan Area	8.5 x 11.7"	8.5 x 11.7"	8.5 x 11.7"	8.5 x 11.7"	8.5 x 11.7"
Transparency Scan Area	—	—	1.5 x 9"	1.5 x 10"	10 x 3"
Preview Speed	16 seconds	10 seconds	10 seconds	2.6 seconds	2 seconds
Automation	Retouching	—	Retouching	Retouching	Retouching
Computer Interface	USB 1.1	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Dimensions (WxHxD)	15.1 x 1.3 x 10.1"	10.2 x 1.6 x 14.8"	1.7 x 11.3 x 16.1"	10.2 x 3.3 x 18.7"	11.3 x 4.9 x 18.6"
Weight	3.53 lbs	3.8 lbs	5.8 lbs	6.2 lbs	9.3 lbs

**(212) 444-5027 • 1-800-947-9927 • Quick Dial 63**



## PERFECTION V100 PHOTO • V350 PHOTO

### 3200 and 4800 dpi Color Flatbed Scanners



Affordable, all-purpose scanners with truly amazing results, the Perfection V100 Photo (3200 x 9600 dpi) and Perfection V350 Photo (4800 x 9600 dpi) let you enjoy easy, automatic scanning of documents, photos, film and 3D objects. You get brilliant results every time. Their high-rise lid can be lifted up and laid flat to accommodate large objects or scan 3D objects (up to 25mm thick) with the lid closed. They have a built-in transparency unit offering convenient scanning of both slides and film strips. They feature four easy-to-use buttons (scan, copy, e-mail and PD) for automatic scanning and a Hi-Speed USB 2.0 interface to speed through every scan. They also include easy-to-use features to restore faded photos, remove unwanted dust and

enhance poorly lit originals. With so many digital imaging enhancement tools housed in a sleek, innovative design, the Epson Perfection V100 Photo and V350 Photo are ideal solution for easily restoring and archiving your cherished photos, negatives and slides, while allowing you to scan objects for creative projects and scrap books.

In addition to higher resolution, the V350 step-up with a unique Automatic Film Loader that flips out of the top lid, allowing you to feed a strip of 35mm film into the scanner.

#### FEATURES

- ◆ Sleek, slim design has a flat scanning area of 8.5 inches x 11.7 inches, and can be used in either the portrait or landscape mode. The high-rise lid opens to a full 180° for scanning large and bulky items. You can even scan three-dimensional items up to approximately one inch thick with the lid closed.
- ◆ Four easy-to-use buttons (Scan, Copy, e-mail and PDF) let you perform the most common functions with one touch. Automatically scan photos, negatives and documents, and the software chooses the most appropriate settings. Copy documents and print with an easy copy utility. Scan a photo and attach it to a new e-mail message. Or, scan and create a single or multi-page PDF.
- ◆ With hardware resolution of 3200 x 9600 dpi and 48-bit color, the V100 Photo delivers superb quality scans with fine detail and rich color. In addition, dynamic range of 3.2 Dmax ensures capture of fine shadow detail that many other consumer scanners miss.
- ◆ Enhanced Backlight Correction fixes incorrectly or under-exposed images.
- Advanced Digital Dust Correction automatically removes dust from film negatives or slides, while ensuring that important image information is not deleted.
- ◆ The Perfection V100 Photo and V350 Photo include extra software that gives you the most from your scanned images and documents. Whether you are a novice or an old hand at digital editing, it's easy to use ArcSoft PhotoImpression to enhance or get creative with your images, using them in calendars and other fun projects. ABBYY FineReader Sprint Plus OCR turns your scanned documents into editable text files. And, the Epson Creativity Suite makes it simple to scan, save, manage, and edit images.
- ◆ Built-in transparency unit lets you easily scan 35mm slides and negatives. The scanner also includes a film holder for four 35mm mounted slides, or six negative frames.
- ◆ Hi-Speed USB 2.0 interface combined with a hardware scan speed of 14.6 msec/line ensures that you'll get the best quality scans extremely fast.
- ◆ Optimize scans when your originals are less than perfect. Easy to use features will restore faded photos, remove unwanted dust, and enhance poorly lit originals.
- Epson Easy Photo Fix instantly restores color to old, faded photos so that they appear to have been taken yesterday.
- ◆ Compatible with both Mac and Windows.



#### V350 Photo Step-Up Features

The V350 Photo boasts a unique Film Loader that flips out from the top of the lid, allowing you to feed a 35mm film strip into the scanner. The V350 Photo also provides a maximum resolution of 4800 x 9600 dpi for brilliant enlargements up to 8x10 or larger, the same resolution that many professional photographers use for scanning film and negatives.

**Perfection V100 (EPPV100):** 3200 dpi scanner

**Perfection V350 (EPPV350):** 4800 dpi scanner

## PERFECTION 4490 PHOTO • 4490 OFFICE



*A premium value for outstanding quality scans, the Epson Perfection 4490 Photo delivers extraordinary results with professional quality 4800 x 9600 dpi resolution and an impressive 3.4 Dmax. This full-featured performer makes it easy for anyone to quickly restore and renew classic photos, film and transparencies for stunning color reprints and enlargements.*

*Powerful Digital ICE technology offers built-in dust and scratch removal capabilities for film, while Epson Easy Photo Fix provides one-touch color restoration. Together, these two features bring new life to faded or damaged originals.*

*The Epson Perfection 4490 Photo offers fully automatic scanning for increased productivity, plus two advanced scanning modes for greater control. Convenient film holders accommodate multiple 35mm slides*

*and negatives, plus 2½" film. And, Hi-Speed USB 2.0 ensures fast data transfer.*

*There's even a fully featured software package that includes Adobe Photoshop Elements, ABBYY FineReader Sprint Plus OCR and more. Compatible with both Windows and Macintosh systems, this scanner provides an unbeatable solution for any task or project. Rich in quality and versatility, the Epson Perfection 4490 Photo will highlight and optimize every detail. When partnered with an Epson Stylus ink jet printer, it's a perfect choice for creating brilliant images made to last.*

### FEATURES

- ◆ A premium value for professional quality scans, the Perfection 4490 Photo delivers extraordinary results with 4800 x 9600 dpi resolution and an impressive 3.4 Dmax that ensures precision color and detail to create brilliant 8 x 10" or larger color prints - even from 35mm slides and negatives.
- ◆ Scans documents and photos up to letter size, and it includes film holders for 35mm negatives, slides and 2½" transparencies.
- ◆ Includes four buttons to easily access to various scanning functions (Scan, Copy, E-mail and PDF).
- ◆ Features Epson Easy Photo Fix one-touch color restoration and fully automatic scanning for photos, slides and negatives.
- ◆ The included 35mm film holder makes it easy to quickly batch scan 35mm slides and negatives for greater productivity.
- ◆ Includes a moving transparency light source for greater scan uniformity.
- ◆ The Epson Perfection 4490 Photo includes powerful Digital ICE technology to automatically detect and remove dust and scratches from scans of slides and negatives.
- ◆ The Hi-Speed USB 2.0 interface works with most computer systems, and provides fast scanning and transfers.
- ◆ The software package included makes every scan a snap, and provides all the tools necessary to scan photos, text, or graphics with vivid results every time:
  - Scan photos, slides, negatives, and documents with Epson Scan, while Easy Photo Fix ensures one-touch color restoration and dust removal.
  - ArcSoft PhotoImpression allows you to edit, retouch or enhance your favorite images using templates, frames, borders and more.
  - ABBYY FineReader Sprint enables you to scan and edit documents with high-accuracy character recognition and remarkable text handling capability.
  - NewSoft Presto! BizCard scans, sorts, and catalogs your business cards to create your own virtual Rolodex.
  - Prepare digital images for print, e-mail, or posting on the web using the state-of-the-art image editing tools in - Adobe Photoshop Elements.



### Perfection 4490 Office Step-Up Features

A premium value for small office/home office, the Epson Perfection 4490 Office adds automated document scanning capabilities to the Epson Perfection 4490 Photo. With 4800 x 9600 dpi resolution and an impressive 3.4 Dmax, this full-featured performer makes it easy for anyone to quickly scan photos and film or scan a stack of documents.

Perfection 4490 Photo (EPP4490)

Perfection 4490 Office (EPP4490O)

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## PERFECTION V700 PHOTO • V750-M PRO

### 6400 dpi Color Flatbed Scanners

Capture precision color and detail with the Perfection V700 Photo and Perfection V750-M Pro—two remarkable solutions for the most demanding photographic applications. Featuring groundbreaking 6400 dpi resolution they deliver professional-looking scans from virtually any original, including slides, negatives and medium-format film. They also incorporate a Dual Lens System to optimize each scan, automatically selecting from two lenses for the desired scan resolution. For traditional scanning, they include film holders that enable you to batch scan multiple slides and negatives for increased productivity. And, with Digital ICE Technologies, both models offer easy, automatic removal of scratches and dust from film, and many surface defects from prints, minimizing costly retouching efforts.

The Perfection V750-M Pro adds an enhanced optical system (High Pass Optics), consisting of anti-reflective lens coatings and a high-reflection mirror, to provide remarkable image quality and facilitate faster scan speeds.

Plus, with a specialized fluid mount accessory, the V750-M Pro offers additional scratch removal and grain reduction capabilities for black-and-white film. It also includes MonacoEZcolor and a more advanced version of LaserSoft Imaging's SilverFast software.



Perfection V700  
(EPPV700)

Perfection V750  
(EPPV750M)

### FEATURES

- ◆ Optimize each scan with Epson's exclusive Dual Lens System, consisting of a high resolution lens capable of 4800 x 9600 dpi, plus a super resolution lens capable of 6400 x 9600 dpi. With this remarkable system, the scanner automatically places the appropriate lens in the optical path depending on the desired scan resolution.
- ◆ Scan images with precision color and detail. With unprecedented 6400dpi optical resolution, they are excellent for photo studio applications. A 35mm slide or negative scanned at 6400 dpi produces a 126MB file that can be printed as large as 18" x 28" at 300 dpi with no interpolation, delivering brilliant results that are rich in detail.
- ◆ Enjoy remarkable tonal range and greater shadow detail. They provide a 4.0 Dmax for smooth gradations and fine shadow detail.
- ◆ Scan film formats other than 35mm, including 2 ¼" medium format and 4 x 5" film. Using their built-in transparency unit, you can scan full contact sheets up to 8"x 10". Of course, they also scan film prints, reflective media, 3D objects and text.
- ◆ Includes multi-frame film holders allowing you to batch scan multiple slides, negatives, transparencies and medium-format film—an important time-saving feature.
- ◆ They are equipped with Hi-Speed USB 2.0 and FireWire (IEEE 1394) connectivity. Backwards compatible with USB 1.1 as well.

### Bundled Software:

- ◆ Easy Photo Fix, a feature of the Epson Scan driver, is a powerful tool that enables users to restore old, faded or color-shift images with just one touch so they appear as they did when they were originally captured. Easy Photo Fix even offers easy dust removal and grain reduction in film scans.
- ◆ They include Digital ICE™ Technologies, to automatically remove dust and scratches to minimize costly retouching efforts. Also repairs many defects found on photos, including tears, folds and creases. Imperfections are removed during scanning, and not after, for remarkable reproductions.

### Perfection V750-M Pro only

- ◆ The V750-M Pro steps-up with an enhanced optical system known as High Pass Optics for outstanding image quality. Consisting of anti-reflective optical coatings and a high-reflection mirror, it maximizes image quality and achieves over 33% faster scans.
- ◆ Includes a special fluid mount accessory that enables users to take advantage of wet mount scanning on a flatbed scanner. Wet mount scanning involves immersing your film in a commercial scanning fluid, which penetrates surface defects such as scratches, rendering them invisible to the sensor when the film is scanned. The fluid is absorbed by the film emulsion, thereby reducing the appearance of grain, increasing sharpness, and minimizing the possibility of Newton rings. (Since Digital ICE Technologies does not support most black-and-white film, wet mount scanning is an effective method for removing these types of scratches from monochrome film.) Previously featured only on professional pre-press and commercial film scanners, a fluid mount accessory is the perfect tool for high-end users.

## PERFECTION 4990 PHOTO

**4800 x 9600 Flatbed Scanner**

With the image quality of a dedicated film scanner, plus the flexibility of a flatbed scanner all in one affordable product, the Epson Perfection 4990 Photo delivers a total digital scanning solution.

This powerful performer scans multiple slides simultaneously, as well as negatives and photos. And, with its built-in transparency unit, it accommodates film up to 8x10". Housed in a sleek outer case with an illuminated scan progress indicator, this scanner delivers intricate detail, due to an astounding 4800 x 9600 dpi resolution, 48-bit color depth, and 4.0 Dmax. And, it easily restores faded or damaged film and photos with Epson Easy Photo Fix or Digital ICE Technology.

- ◆ 48-bit color depth and up to 4.0 Dmax for smooth gradations and intricate shadows
- ◆ Digital ICE technology automatically corrects dust and scratches on film; plus tears, folds or creases on photos
- ◆ Built-in transparency unit with moving light source batch scans up to 24 35mm negatives
- ◆ Attractive design fits any decor, and provides an illuminated scan progress indicator as part of its sleek design
- ◆ Innovative Epson Easy Photo Fix technology offers automatic color restoration and dust removal features to automatically restore faded color photos
- ◆ Includes Hi-Speed USB 2.0 and FireWire (IEEE 1394) connectivity for fast scanning and easy connection to most computers
- ◆ The Included Software provides full control over the scanner with features such as Image restoration, Image editing, OCR and more

**GT-2500/GT-2500 PLUS 1200dpi Workgroup Scanner**

Now, your workgroup can take advantage of high-speed document imaging without breaking the bottom line. The fast, affordable Epson GT-2500 Flatbed Scanner delivers remarkable scans up to 8.5 x 14". Best of all, the GT-2500 consistently delivers vivid colors and crisp, sharp text thanks to 1200 dpi, high resolution scanning, plus 48-bit color. With this versatile performer, you get everything you need for precision document imaging. Built to quickly scan large-size documents with precision detail, this hard-working flatbed scanner makes it easy to boost productivity. It even includes

a duplex Automatic Document Feeder (ADF) for scanning up to 50 sheets, without sacrificing image quality. Furthermore, the GT-2500 blazes through each task at speeds that are sure to impress, including up to 27ppm mono text scanning. Altogether, the Epson GT-2500 presents a remarkable solution for affordable document imaging.

- ◆ Optional network scanning capabilities - ideal for small business workgroups
- ◆ Convenient 50-sheet Automatic Document Feeder, provides auto duplex scanning. Speeds through b&w text documents at up to 27 ppm or color at up to 11 ppm.
- ◆ Scans documents up to 8.5 x 14" via the included Auto Document Feeder (ADF), yet it's compact design fits great in any office
- ◆ With 1200 dpi optical resolution and 48-bit color scanning, the GT-2500 provides vivid color and crisp, sharp text.
- ◆ Compatible with Windows and Macintosh systems. Includes TWAIN and ISIS drivers (ISIS driver compatible with Windows only), and the Fast USB connectivity offers quick, easy setup and fast data transfer of scanner images.

**Epson GT-2500 Plus Step-Up Features**

- ◆ Network card included for shared scanning in small business workgroups

**Epson GT-2500 (EPGT2500)**

**Epson GT-2500 Plus (EPGT2500P)**

### GT-15000



#### Large Format Flatbed Scanner

This powerful scanner offers 600 x 1200 dpi resolution and 48-bit color for incredible detail on scans up to 11.7 x 17". With its Xenon lamp, the GT-15000 is ready in an instant and does not require warm-up time. Speeding through two-page spreads in a single scan, it can accommodate a variety of documents. It offers an optional Automatic Document Feeder (ADF) for scanning up to 100 sheets without any user intervention, and without sacrificing image quality.

The scanner's unique four-line CCD allows it to scan at remarkable speeds. When using the ADF, the GT-15000 scans up to 16 ppm for monochrome and 10 ppm in color (letter size, 300 dpi in Draft Mode). The scanner's durable design allows it to easily handle everything from small receipts to large financial reports. In fact, it offers automatic paper size detection so there's no need for complicated settings or selections. The GT-15000 includes fast USB 2.0 and SCSI-2 connectivity, with an optional IEEE 1394 interface. In addition, an optional network card is available, enabling busy workgroups to share a single scanner.

- ◆ Large 11.7 x 17" scanning area can capture two-page spreads in a single scan.
- ◆ 600 x 1200 dpi resolution and 48-bit color for incredible detail.
- ◆ Delivers 8.5 x 11" color scans at 300 dpi in 10.2 seconds.
- ◆ Instant startup (no warm-up required!) avoids delays for critical scanning.
- ◆ Optional 100-page duplex Automatic Document Feeder performs continuous scanning up to 16 ppm.
- ◆ Automatic document size detection ensures accurate scans without complicated setting adjustments.
- ◆ Optional network card enables busy workgroups to share a single scanner.
- ◆ Complete software solution includes:
  - Epson Scan
  - Captiva ISIS driver
  - ScanSoft PaperPort Deluxe
  - ABBYY FineReader Sprint OCR
  - Adobe Photoshop Elements
  - Fast SCSI-2 and USB 2.0 with optional IEEE 1394 interface and network card

### GT-30000 Large Format Flatbed Scanner

With speed, versatility, and convenient network support, the EPSON GT-30000 enables your workgroup to meet the most diverse and demanding scanning requirements, while ensuring colorful, high-quality results. With 600 x 2400 dpi resolution and 36-bit color, this large-size scanner delivers color images rich in tonal details, and crisp, clean text that's easy on the eyes. In fact, the image quality will impress even graphics professionals.

The accommodating 11.7 x 17" scanning bed allows you to quickly capture two-page book, catalog, or magazine spreads in a single

scan. Its dedicated image processing significantly increases scanning speed. Letter-sized color documents scan at a fast 9.5 seconds per page (landscape at 300 dpi, draft mode). With the included duplex Automatic Document Feeder (ADF) and you can scan up to 100 letter-sized monochrome documents at 30 ppm (at 300 dpi, draft mode). It's rapid and reliable and it allows for unattended operation for maximum efficiency.

Setup is easy. Just connect the EPSON GT-30000 to a networked PC and install the EPSON TWAIN and Scan Server software. Additional users then install EPSON TWAIN Pro network software to access the scanner remotely. The scanner connects via a standard SCSI 2 or optional IEEE 1394 interface (SCSI 2 card and cable included). And, it's compatible with Windows 95, 98, 2000, Me and NT operating systems.



# EPSON EXPRESSION 10000XL- GRAPHIC ARTS

## 2400 dpi Color Flatbed Scanners

With 2400 dpi resolution - higher than any other B-size flatbed scanner available today - plus a 3.8 Dmax and 48-bit color,

the Epson Expression 10000XL offers everything professional photographers and graphic artists require for high-quality, large-volume scanning.

A reliable performer that's sure to increase productivity, this hard-working scanner features Epson's exclusive ColorTrue II imaging system, which combines superior image processing, a xenon lamp, and Epson Color MatrixCCD technology for enhanced colors and pinpoint registration. Its 3.8 Dmax delivers a broad dynamic range with excellent shadow detail. And, an

*AutoFocus optics system, when activated, adjusts the focus for capturing clear, precise images every time.*

The Expression 10000XL scans virtually anything, including reflective media up to 12.2 x 17.2". The Graphic Arts model has an optional transparency unit for scanning transparencies up to 12.2 x 16.5". The Expression 10000XL includes both Hi-Speed USB 2.0 and FireWire (IEEE 1394) connectivity for any Windows or Macintosh system. There's also an optional network card. This durable scanner speeds through every task quickly and easily. It even offers an optional automatic document feeder for multiple-page scanning. For increased productivity and remarkable results in professional graphic arts and photographic applications, the solution is simple: the Epson Expression 10000XL.

### FEATURES

- ◆ Works together with **Micro Step Drive** technology to deliver brilliant clarity and extraordinary detail.
- ◆ Captures over 4 trillion colors and 4,096 shades of gray allows for smooth 48-bit gradations.
- ◆ Convenient large-format scanning (12.2" x 17.2"). Accommodates reflective media up to 12.2" x 17.2".
- ◆ Includes 12.2" x 16.5" transparency adapter Scans transparencies up to 12.2" x 16.5" (included on the Photo model).
- ◆ Extraordinary image quality with 2400 x 4800 dpi resolution.
- ◆ Smooth gradations with 48-bit color.
- ◆ Quick scans with Hi-Speed USB 2.0 and FireWire (IEEE 1394) connectivity.
- ◆ Enhanced color with ColorTrue II Imaging Combines superior image processing, a long-lasting Xenon lamp, and MatrixCCD technology for bold, vibrant scans.
- ◆ 3.8 Dmax for precision reproductions Accurately scans each image, including film and transparencies, for remarkable precision, even in shadow areas.
- ◆ Powerful performance with fast scanning speeds Speeds through an 8.5" x 11" color image at 300 dpi in under.
- ◆ Production level reliability - Boasts a 100,000 cycle MCBF (mean cycles between failures) rating.

### What is Micro Step Drive technology?

The Epson Expression 10000XL uses a custom designed high-precision stepper motor mechanism in order to move the 2400 dpi CCD in "half-step" increments, thereby achieving a sub scan resolution of 4800 dpi. This system is ideal for scanning 35mm slides, fine art/line drawings, and other small originals that require critical sharpness, which is especially important for enlargements.



### Expression 10000XL Photo Step-Up Features

- ◆ Powerful LaserSoft Imaging SilverFast Ai 6 software.
- ◆ Transparency Unit scans positive or negative film up to 12.2" x 16.5".

### Options:

Automatic Document Feeder (EPADF1640XL) .....	1,149.95
Scanner Network Interface Card (EPNIECGT) .....	349.95

## DESKTOP PHOTO SCANNERS

### Scanjet 4850

With the Hewlett-Packard Scanjet 4850 Photo Scanner, you'll get impressive results at 4800 x 9600 dpi resolution and 48-bit color. Scan four slides (35mm) or six negatives using a built-in transparency adapter, and remove dust and scratches plus restore color to images with HP Real Life Technologies. You also get handy one-touch buttons for easy scanning and sharing of images and other files.

- ◆ Get true-to-life scans from the Scanjet 4850 — scan photos, text, slides and more at 4800 x 9600 dpi resolution and 48-bit color. Make beautiful, true-to-original reprints, share with others or save on your PC. Even scan important documents and get the same crisp text as the original.
- ◆ Easily enhance and restore photos, slides and negatives with HP Real Life Technologies. Remove dust and scratches, restore faded color, even remove red eye and brighten dark areas using HP Adaptive Lighting. Easily convert 35mm slides and negatives into digital files that you can save, edit and print.
- ◆ Get the most convenient way to organize, edit, share and save your scans with HP Image Zone. E-mail photos without large file attachments or downloads using HP Instant Share. Edit text from scanned documents using included OCR software and save as favorite file types. Even Fit large, bulky items under an adjustable lid and scan 3-D objects such as jewelry and mementos.
- ◆ Scan, copy and e-mail photos at the touch of a button that sends a scan directly to your default printer or e-mail service, and transfer scans at optimum speeds using the Hi-Speed USB 2.0 interface.



(HESJ4850)



(HESJ4890)

#### HP Real Life Technologies

HP Real Life technologies are designed to make sure you get the most from your HP Scanjet scanner helping you achieve crisp, accurate and realistic results.

- ◆ HP scratch and dust removal
- ◆ HP red-eye removal
- ◆ HP faded photo restoration
- ◆ HP Adaptive Lighting technology



### Scanjet 4890

With the Hewlett-Packard Scanjet 4890 Photo Scanner, you'll get the same impressive results as the Scanjet 4850. It has the same 4800 x 9600 dpi resolution and 48-bit color. A larger transparency adapter allows you to scan up to 16 35mm slides or 36 35mm negatives - even medium format and 4x5" film. Remove dust and scratches plus restore color to images with HP Real Life Technologies. You also get handy one-touch buttons for easy scanning and sharing of images and other files.

#### What is the difference between a photo scanner and a regular scanner?

HP photo scanners are designed for photographers, with excellent image resolution, highly sensitive color (up to 96-bit), slide and photo negative holders, as well as the ability to remove red-eye, dust and scratches, restore color, and more.

#### What is dpi and why is it important?

Dpi stands for "dots per inch". The more dots of information per inch a scanner can detect, the more resolution it has. Inadequate dpi may result in blocky images. HP photo scanners are capable of a spectacular 4800 x 9600 resolution, far beyond that of regular document scanners.



## DESKTOP SCANNERS



(HESJ5590)

- ◆ High resolution scanning at 2400-dpi optical resolution and 48-bit color, and the easy to learn and use software is great for graphic arts and digital photography projects.
- ◆ Scan, copy, print, e-mail, and more using one-touch buttons, even scan and e-mail documents without slow downloads.

### Scanjet 5590

The Hewlett-Packard Scanjet 5590 Flatbed Scanner produces high-quality scans at 2400-dpi optical resolution and 48-bit color - plus fast, easy operation from a duplexing automatic document feeder or scan slides and negatives with the included TMA adapter. TWAIN drivers and document management software are also included.

- ◆ Scan unattended, two-sided, multi-page documents with the included automatic document feeder.
- ◆ Scan up to 8 pages of text or 4 images per minute and preview scans in about 7 seconds with fast transfer to your computer thanks to the Hi-Speed USB 2.0 interface.
- ◆ Scan documents with your existing data management systems or the included software - you can choose copy quantity, settings, and more.
- ◆ Scan slides and negatives with the included Transparency Media Adapter, plus scan books, documents, 3-D objects, and more.

### Scanjet 7650

Want to walk away while your scanner gets busy, and not intervene until the job's done? With a high-capacity (50-page) automatic document feeder, the Scanjet 7650 gives you quick, unattended results up to 12 pages per minute (6 ppm when duplexing). Image previewing is fast, too at only about 6 seconds. Soon you'll be making headway on that pile of documents, slides, negatives, and you-name-it that you need scanned.

- ◆ 2400-dpi optical resolution and 48-bit color for professional results.
- ◆ Included software seamlessly integrates with your existing software and optimize scan speeds using the ISIS and TWAIN drivers.
- ◆ Scan 35mm slide and negatives with the included transparent materials.

- ◆ Scan, crop, restore, edit, and incorporate images into documents with included software.
- ◆ 5 one-touch buttons for scanning, copying, scanning to PDF files, and sending e-mail.
- ◆ Hi-Speed USB 2.0 interface gives the scanner the ability to make preview scans in about six seconds.

- ◆ Landscape orientation takes up less room and fits easily on a shelf.
- ◆ High capacity automatic document feeder holds up to 50 pages for fast, unattended scanning at up to 12 pages per minute.
- ◆ Scan articles, books and thick files, even 3-D objects using the adjustable lid.



(HESJ7650)



(HESJ8300)

### Scanjet 8300

If scanning quality and scanner versatility are important to you, consider the HP Scanjet 8300 Professional Image Scanner. It accepts everything from black-and-white documents to photos, film, and other materials, processing each for optimal results. Added bonuses include handy one-touch buttons for commonly done tasks like sending a scan to your default printer and creating PDFs.

- ◆ Get high-resolution results with an optical resolution of 4800 dpi and 48-bit color for accurate color reproduction. Adjust the resolution for graphics, photos, and documents.
- ◆ Scan all kinds of sources including documents, with paper sizes up to legal (8.5 x 14"); Scan 35 mm slides and negatives with the included transparent materials adapter; Even Scan 3D objects and other large, bulky items under the adjustable lid.
- ◆ Convert scanned text into editable copy with the included OCR software

- ◆ Use the easy one-touch task buttons for common tasks, including creating PDFs or make copies using a one-touch button that sends a scan directly to your default printer. Even Program one touch buttons to automatically scan for you're most common applications.
- ◆ Be creative with your images and ensure color accuracy with the included Adobe Photoshop Elements software, and automated image restoration features including Adaptive Lighting Technology, Image Restoration, Dust & Scratch Removal, and more.

### ARTIXSCAN DI 1210 • 2010 • 2020 • 4020

#### Document Imaging Scanners

Microtek's ArtixScan DI series scanners, comprising of the DI 1210, DI 2010, DI 2020 and DI 4020, are the most affordable scanners in their class. With their auto document feeders, for high-speed document imaging and great image quality, they are perfect for the home or small office. They offer 48-bit color, 600-dpi resolution, along with all of the software necessary to achieve the highest productivity and the best possible images. The DI 1210 allows you to scan up to 12 pages per minute, and a 50-page sheet feeder that handles letter, legal, A6, and A4 sizes. The DI 2010 scans up to 20 pages per minute and allows you to scan directly to PDF. The DI 2020 and 4020 add duplex scanning, delivering even greater work flow efficiency by allowing you to scan both sides of a document with a single feed.



#### They All Feature –

- ◆ 48-bit color provides a more authentic reproduction of original documents and brings out details that may not be picked up in monochrome or grayscale.
- ◆ Automatic Document Feeder increases productivity by scanning multiple pages of text at once.
- ◆ 50-page capacity for unattended scanning (ArtixScanDI 1210 and 2010), and 100-page capacity (ArtixScanDI 2020 and 4020).
- ◆ Large soft rubber rollers, short paper path and stabilizer bar for worry-free scanning.

#### ScanWizardDI – ISIS and TWAIN compliance

- ◆ All models, except the 2020, offer ISIS (Image and Scanner Interface Specification), a modular and extensible standard for acquisition, viewing, format conversion.
- ◆ ISIS benefits include compatibility, reliability, consistency, customizability. Requires a minimum of user investment in hardware and software.
- ◆ Creates complete high-volume document imaging solutions through ISIS image acquisition and manipulation functions.
- ◆ A TWAIN driver is included for users where systems do not support or do not require ISIS. TWAIN is the industry standard for image acquisition.

#### Autocrop and Deskew

- ◆ Eliminates post-scan adjustments by automatically detecting document edges and correctly aligning skewed documents.
- ◆ Auto Crop automatically detects size of original image, crops the full scan frame to fit image, and removes unwanted black borders after the scan.

- ◆ Scan speed of 12 pages per minute (b&w and grayscale), and 8 pages per minute for color
- ◆ 600-dpi optical resolution (2400 dpi interpolated) captures outstanding image quality for your document imaging needs.
- ◆ 50-page automatic document feeder that handles letter/legal/A4/A6 paper sizes.
- ◆ Hi-Speed USB 2.0 interface.
- ◆ Two programmable keys are provided for accessing your most frequently used functions, thus improving workflow and efficiency.

#### DI 1210

- ◆ The included PaperPort SE software is perfect for managing documents in your home or small office. It increases productivity, with easy visual file management of documents and photos. The custom toolbar allows you to drag-and-drop files to various folders or open them in your desktop apps, including Microsoft Word, Microsoft Excel, Microsoft Outlook, Adobe Acrobat, and many more.

#### DI 2010 STEP-UP FEATURES

##### PaperPort Deluxe

- ◆ Simple Search allows you to search your scanned documents by title, content, keyword or annotations.
- ◆ Form Typer automatically creates editable fields from your scanned documents.
- ◆ Scanned pages can be archived or processed through OCR software, saving hours of re-typing time.

ArtixScanDI 1210 (MIAS1210DI) ..... 269.95  
ArtixScanDI 2010 (MIAS2010DI) ..... 374.95

ArtixScanDI 2020 (MIAS2020DI) ..... 439.95  
ArtixScanDI 4020 (MIAS4020DI) ..... Call



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**ARTIXSCAN 1210 • 2010 • 2020 • 4020****DI 2020 STEP-UP FEATURES**

- ◆ 600 x 1200 dpi optical resolution
- ◆ 8.5 x 14" flatbed and ADF scan area

**Duplex Scanning**

- ◆ Two image sensors allow for double-sided scanning of documents, doubling your workflow efficiency by eliminating the need to re-feed double-sided documents.
- ◆ Converts large amounts of documents waiting to be digitized.

**High-Speed Document Imaging**

- ◆ Scan documents at up to 25 pages per minute for b&w and grayscale, and 10 pages per minute for color
- ◆ The most affordable 25-ppm/40-ipm scanner available.
- ◆ 100-page automatic document feeder for unattended scanning.

**Other Features**

- ◆ Three programmable function keys
- ◆ Sliding lock for the chassis

**DI 4020****STEP-UP FEATURES**

- ◆ Scan documents at up to 40 pages per minute for b&w and grayscale, and 26 pages per minute for color
- ◆ Color dropout — Red, green, and blue colors can be dropped out of problematic color documents to allow for clearer and more accurate forms processing.



	<b>ArtixScanDI 1210</b>	<b>ArtixScanDI 2010</b>	<b>ArtixScanDI 2020</b>	<b>ArtixScanDI 4020</b>
Bit Depth	True 48-bit color	True 48-bit color	48-bit color	48-bit color
Optical Resolution	600 dpi	600 dpi	600 x 1200 dpi	600 x 1200 dpi
Interpolated Resolution (max.)	2400 dpi	2400 dpi	2400 dpi	2400 dpi
ADF Capacity	50 pages	50 pages	100 pages	100 pages
<b>Scan Speed (8.5 x 11" / 200 dpi)</b>				
Black & White	12 ppm	20 ppm	25 ppm	40 ppm
Grayscale	12 ppm	15 ppm	25 ppm	40 ppm
Color	8 ppm	10 ppm	10 ppm	26 ppm
Scan Area Flatbed	8.5 x 11.7"	8.5 x 11.7"	8.5 x 14"	8.5 x 14"
Scan Area ADF	8.5 x 11.7"	8.5 x 14"	8.5 x 14"	8.5 x 14"
Programmable Function Keys	2	5	3	3
<b>Interface</b>				
Hi Speed USB	4-pin (incl. cable)	4-pin (incl. cable)	4-pin (incl. cable)	4-pin (incl. cable)
SCSI 2	—	25-pin (incl. cable)	—	—
Hi-Speed USB card included	✓	✓	—	—
Platform	PC Only	PC Only	PC Only	PC Only
<b>Included Software</b>				
Nuance ScanSoft PaperPort	SE	Deluxe	Deluxe	✓
ABBYY FineReader Sprint OCR	✓	✓	✓	✓
Microtek ScanWizardDI	✓	✓	✓	✓
Ulead PhotoExplorer	✓	✓	✓	✓
Drivers	TWAIN & ISIS	TWAIN & ISIS	TWAIN	TWAIN & ISIS
Image Sensor	16,200-sensor tri-linear CCD array	16,200-sensor tri-linear CCD array	CCD (10,878 sensors), CIS (5,186 elements)	CCD in base, CIS in ADF
Color Passes	Single pass	Single pass	Single Pass	Single Pass
Chassis Lock	None	Side Snap	Sliding Lock	Sliding Lock
Weight	13.23 lbs.	12.31 lbs	13.45 lbs	15 lbs
Dimensions: (LxWxH)	19.7 x 11.4 x 6.5"	19.6 x 11.5 x 6.5"	28 x 17 x 10.5"	21 x 11.5 x 6"

### SCANMAKER S400

#### *Home and Small Business Scanner*

The ScanMaker S400, is an affordable high-resolution scanner, for PC and Mac, featuring 4800 x 9600 dpi, true 48-bit color, and a new multiframe 35mm slide and filmstrip adapter for more productive transparency scans. The solid build and stylish exterior of the ScanMaker S400 make the scanner suitable for any home or office decor. Eight Smart-Touch buttons built into the front panel of the scanner, let you automate frequently performed tasks such as scan, copy, OCR, and email with one click of a button. The comprehensive software bundle features ScanWizard 5 scanner controller software that includes an integrated PDF engine allowing users to easily convert documents to PDF format at the touch of a button. The scanner also features Hi-Speed USB connectivity.



#### High Resolution Scanning

- ◆ 4800 x 9600 dpi gives incredibly detailed scans. This high resolution is especially valuable when scanning 35mm slides and film.
- ◆ Twelve rows of CCD sensors for improved color reproduction. Four times as many sensors compared to a conventional tri-linear array delivers more accurate data capture.
- ◆ 8.5 x 11.7" reflective scan area.

#### 8 Smart Touch buttons

- ◆ Automate frequently performed tasks including Scan, Copy, OCR, Email, Scan to Web, Setup/Cancel, Custom, and Power.

#### Advanced Software Solutions

- ◆ Color Rescue System — Restores faded colors, of prints and film, back to their original vibrant tones with just one click.
- ◆ Integrated OCR Software — OCR documents with embedded full-color images and complex formatting. Edit text from books and documents in Microsoft Word, Excel, and HTML. 99% accuracy.

#### Valuable Software Included

Adobe Photoshop Elements 3.0 photo-editing for professionals; Adobe Photoshop Album SE (PC) to organize, edit, and share memories.

#### LightLid 35mm Adapter

- ◆ LightLid Plus 35 lets you scan positive and negative 35mm slides and filmstrips – up to 4 slides at a time or an entire filmstrip.
- ◆ Calibration is automatic, producing consistent color and tones.

#### Easy to set up, easy to use

- ◆ Hi-Speed USB connectivity provides quick plug-and-play setup.
- ◆ Step-by-step guide included for easy setup.
- ◆ Dimensions (LxWxH): 19.0 x 11.6 x 3.2".
- ◆ Weight: 11 lbs.

### 5950 PRO Pro Flatbed Scanner

The ScanMaker 5950 Pro, is the ideal PC compatible, home or small office scanner for creating digital archives of your paper forms, contracts, invoices and more. It can scan documents of all sizes from A6 to legal with its built-in 50-page ADF, while flatbed scanning is available for photos and bound or odd-sized documents. The ScanMaker 5950 Pro will scan directly to many formats including industry standards TIFF and PDF for compact files that are easy to view, share and archive.



- ◆ 2400 x 4800 dpi optical resolution and true 48-bit color depth.
- ◆ 8.5 x 11.7" reflective scan area.
- ◆ Six rows of CCD sensors deliver improved color reproduction – 2x as many sensors compared to a conventional tri-linear array provide more accurate data capture.
- ◆ 8 Smart Touch buttons on the scanner front panel automate frequent tasks including Scan, Print, Email, OCR, Email, Scan to Web, Setup/Cancel, Custom, and Power.

- ◆ Scan Times: 18 seconds (300 dpi) and 30 seconds (600 dpi) when scanning 4" x 6" color photo.
- ◆ 50-page automatic document feeder for scanning documents up to 8.5 x 14" (legal sized) – ideal for tax and insurance forms, contracts, etc.
- ◆ Using the ADF you can scan up to 5 pages per minute for grayscale & black-and-white, and 2 pages per minute for color.

- ◆ PaperPort SE document software for managing your home or small office. The custom toolbar lets you drag and drop files to folders and open them in your desktop apps.
- ◆ Advanced OCR, with 99% accuracy, lets you OCR documents with embedded full-color images and complex formatting.
- ◆ Hi-Speed USB 3.0 offers plug-and-play connectivity.
- ◆ Dimensions (LxWxH): 19.5 x 11.5 x 5.1".
- ◆ Weight: 10.1 lbs.

ScanMaker S400 (MISMS400) ..... 114.95

ScanMaker 5950 Pro (MISM5950P) ..... 179.95



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## SCANMAKER i800 • i800 PRO • i700 OFFICE EDITION

### Flatbed Scanners with Built-in Transparency Adapter

The ScanMaker i800, i800 Pro and i700 Office Edition offer a high 4800-dpi optical resolution and include a plethora of powerful software such as ScanMaker Pro controller, DIGITAL ICE and ColoRescue for restoring damaged photos and film. They feature a 8.5 x 14" reflective scan bed to accommodate a wide range of media sizes. The i800 and i800 Pro also have a built-in 8 x 12" transparency adapter, while the i700 has a 4 x 9" adapter for film and transparencies. EZ-Lock film holders hold film perfectly flat and ensure precise alignment and scans. FireWire and USB 2.0 connections offer flexible interfacing. Unique to the i700 is its auto document feeder with a 50 page capacity. The i800 Pro is the same as ScanMaker i800, but SilverFast SE software is upgraded to SilverFast Ai.



### They All Feature -

- ◆ 48-bit, 4800 dpi optical resolution lets you scan photos and film at the highest resolution available on a flatbed scanner, allowing you to create poster-sized images
- ◆ Large scan bed lets you scan oversized reflective originals up to 8.5 x 14"
- ◆ Built-in transparency adapters support film and transparencies up to 8 x 12" for the i800 and i800 Pro, and 4 x 9" for the i700. Each uses a moving light source that provides greater brightness for sharper film scans.
- ◆ EZ-Lock film holders, with spring-actuated tension grips, hold film perfectly flat, ensuring consistent scan results. This innovative system automatically crops your scan frame by detecting edges of your film. The film holders for 35mm slides, 35mm filmstrips, 4 x 5" film, and medium format 120 film
- ◆ Eight Smart Touch buttons, on the front panel, automate frequent tasks: Scan with ICE, Scan to file, Print, Email, OCR, Email, Scan to PDF, Custom, and Power.

### ScanWizard Pro Scanner Controller Software

- ◆ Intelligent image category feature performs automatic image corrections.
- ◆ Intuitive color adjustment in the LCH (lightness, chroma, hue) color space; Selective and global color correction (LCH and CMYK).
- ◆ Professional unsharp mask filter, with preview, sharpens lightness channel only.
- ◆ Negative film profiles for precise and consistent color quality.
- ◆ Batch scanning allows you to manage each scan job separately with its own settings.
- ◆ Professional CMYK profiles that conform to US SWOP, Japanese Ink, and Euro scale industrial printing standards.
- ◆ Hundreds of ICC and ColorSync compatible profiles.
- ◆ ICC profiles embedded in output images; soft proof of RGB and CMYK images.

### Exclusive PictuRescue System

PictuRescue is a total reconstruction and restoration solution for damaged photos and film that incorporates two unique technologies: DIGITAL ICE and ColoRescue

- ◆ DIGITAL ICE automatically restores damaged photos and film, saving you time and money. It identifies and eliminates unwanted surface defects, and easily corrects deep scratches, cracks, creases, rips and tears in print surfaces. It also removes dust and lint.
- ◆ The advanced ColoRescue system restores faded colors back, of prints and film, to their original vibrant tones with just one click.
- ◆ Manual Photo Reconstruction mode which lets you create custom defect maps to identify and repair damage.

### LaserSoft SilverFast SE

- ◆ Intuitive user interface
- ◆ Real-time processing
- ◆ Auto-adjust with artificial intelligence
- ◆ Negafix negative-film optimization (120 negative film profiles)
- ◆ Professional unsharp masking
- ◆ Color-cast removal slider
- ◆ Simple selective color correction
- ◆ RGB, TIFF and JPEG output formats

### Additional Software

- ◆ Microtek Scan with ICE, Scan to file, Copy, Email, OCR, Scan-to-PDF utilities.
- ◆ Adobe Photoshop Elements 3.0, Adobe Photoshop Album SE (PC only).
- ◆ Microtek LAN Wizard (for PC only).

### The i800 Pro Adds-

- ◆ LaserSoft SilverFast Ai scanning software which supports normal and expert interface modes; Plug&Play-CMYK Preview; custom Negafix profiles; batch processing; CMYK, TIFF, EPS, DCS output formats; and more.

### i700 Office Edition Only-

- ◆ 50-page automatic document feeder increases your productivity by scanning up to 50 pages of text at a time.
- ◆ PaperPort SE document management software lets you drag and drop files to folders and open them in your desktop apps.

ScanMaker i800 (MISMI800) ..... 299.95

ScanMaker i800 Pro (MISMI800P) ..... 369.95

ScanMaker i700 Office (MISMI700OE) .... 449.95

### ARTIXSCAN M1

#### Combined Flatbed and Film Scanner

The ArtixScan M1, is a combined flatbed and film scanner for 35mm, 6cm, and 4x5-inch film formats that also offers additional functionality to scan reflective art or prints as large as 8.5 x 14". Equipped with Microtek's patented Emulsion Direct Imaging Technology (E.D.I.T.), 4800-dpi optical resolution, 16-bit digital output per channel, auto focus, and new film holders with tension technology, the Microtek ArtixScan M1 offers extraordinary value to photographers, photo enthusiasts, and graphic designers in need of high-quality scans. With 4800-dpi optical resolution and 48 bits per pixel, a scan of 35mm film on the Microtek ArtixScan M1 will produce an image file that is equivalent to an image file from a 34-megapixel digital SLR camera.



- ◆ 4800-dpi optical resolution and true 48 bits per pixel (16-bits per channel)
- ◆ 8.5 x 14" reflective scanning area
- ◆ 8.5 x 10" transparency scanning
- ◆ SnapTrans film holders with tension technology for 35mm slides, 35mm film, 6-cm film, and 4 x 5" film
- ◆ Large-format prints from 35mm scans can be made up to 24 by 36" while still holding 200 pixels per inch at that print size.
- ◆ Exclusive E.D.I.T. (Emulsion Direct Imaging Technology) allows the optical system to scan the film emulsion without looking through the glass plate that supports reflective materials on the flatbed scanner. The film is supported in a tray inside the scanner below the glass plate. Glassless scanning enables clearer scans, because it avoids the optical distortions, aberrations, and dirt that can appear in a scan that passes through the glass plate of a flatbed scanner.
- ◆ Includes SilverFast software which offers an intuitive user interface and professional controls over the scanning parameters. One of the many outstanding features of the SilverFast software is fully-integrated color management based on ICC standards for positive film and prints and the excellent NegaFix technology for negative film.
- ◆ Also includes Microtek ScanWizard Pro

**ArtixScan M1.....Call**

	ScanMaker i800	ScanMaker i800 Pro	ScanMaker i700	ArtixScan M1
Bit Depth	True 48-bit Color	True 48-bit Color	True 48-bit Color	True 48-bit Color
Optical Resolution	4800 x 9600 dpi	4800 x 9600 dpi	4800 x 9600 dpi	4800 x 9600 dpi
Interpolated Resolution (max.)	65,535 dpi (PC) / 32,767 dpi (Mac)	65,535 dpi (PC) / 32,767 dpi (Mac)	65,535 dpi (PC) / 32,767 dpi (Mac)	N/A
Reflective Scan Area	8.5 x 14"	8.5 x 14"	8.5 x 14"	8.5 x 14"
Transparent Scan Area	8 x 12"	8 x 12"	4 x 9"	8 x 10"
Smart Touch Buttons	Scan with ICE, Scan, Print, Email OCR, Scan to PDF, Custom, Power	Scan with ICE, Scan, Print, Email OCR, Scan to PDF, Custom, Power	Scan with ICE, Scan, Print, Email OCR, Scan to PDF, Custom, Power	N/A
Interface	USB 2.0, FireWire	USB 2.0, FireWire	USB 2.0, FireWire	USB 2.0
Platform	PC and Mac	PC and Mac	PC and Mac	PC and Mac
Image Sensor	41,300-element tri-linear CCD Array	41,300-element tri-linear CCD Array	128,160-element staggered, tri-linear CCD	N/A
Color Passes	Single pass; 2 passes required for DIGITAL ICE	Single pass; 2 passes required for DIGITAL ICE	Single pass; 2 passes required for DIGITAL ICE	N/A
Chassis Lock	Bottom switch, plus TMA lock	Bottom switch, plus TMA lock	Bottom Switch	N/A
Weight (Scanner)	14.1 lbs	14.1 lbs	11.9 lbs.	N/A
Weight (ADF)	—	—	5.74 lbs.	—
Dimensions: (LxWxH)	22.6 x 11.7 x 4.6"	22.6 x 11.7 x 4.6"	21.5" x 11.7" x 3.6	N/A
ADF Dimensions	—	—	20.6 x 11.62 x 3.15"	—

## MICROTEK

## LARGE FORMAT SCANNERS

## ScanMaker 9800XL • ScanMaker 9800XL with TMA

The ScanMaker 9800XL and ScanMaker 9800XL with TMA (*transparent media adapter*) are large format scanners, for Mac and PC, capable of accommodating tabloid-size (A3) scanning at 12 x 17" with 48-bit color and an amazing 3200 x 1600-dpi optical resolution. The intelligent and intuitive ScanMaker Pro controller software and Microtek LANShare network software are ideal for integrating these scanners into a corporate, production, or medical environment. The ScanMaker 9800XL with TMA lets you scan transparencies up to 12 x 16", including X-Rays. Additional features include 3.7 Maximum Optical Density with multiple sampling to reduce random image noise. Both scanners offer both FireWire and USB connectivity, offering maximum versatility.

- ◆ 48-bit color input & output, 16-bit grayscale
- ◆ Superior optics, including 21,360-element CCD and 1600 x 3200 dpi optical resolution for greater enhancement of scanned images
- ◆ Large 12" x 17" reflective scan area, so you can scan oversize materials, such as newspapers and tabloid magazines. You to scan multiple photos at once for greater efficiency in a production environment.
- ◆ Multiple sampling reduces image noise to yield purer image output
- ◆ Microtek Scanner Profiler utility calibrates your scanner for consistent image quality in any work environment.
- ◆ ScanWizard Pro controller software with an intelligent image category feature, automatic image corrections, and intuitive color adjustment in the LCH color space
- ◆ Scan Time: 18 sec. (300 dpi) and 27 sec. (600 dpi) when scanning 4 x 6" color photo
- ◆ Microtek LANShare software (PC only) – for sharing the 9800XL over a local area network
- ◆ Additional software includes includes Adobe Photoshop Elements, Microtek Scanner ICC Profiler, ABBYY FineReader Sprint OCR, Kodak Digital Science Color Management
- ◆ FireWire and Hi-Speed USB interfaces

ScanMaker 9800XL (MISM9800XL).....1,019.95

ScanMaker 9800XLT with TMA (MISM9800XLT) .....1,259.95



**ScanWizard Pro's LCH Mode:** LCH employs three variables - lightness, chroma (saturation), and hue to define colors. LCH mode best matches with the senses of human eye. Three variables are independent from each other; changes made in one color will not affect the others. This means user can adjust colors in a most intuitive way.

## TMA 1600 Transparency Adapter

The TMA 1600, included with the ScanMaker 9800XL with TMA, is a tabloid size, large-format transparent media adapter. The TMA 1600 scans film and transparencies up to 12 x 16", and the included templates accommodate 35mm slides, 35mm filmstrips, 4 x 5" film, and medium format film (6x4cm, 6x6cm, 6x7cm, 6x9cm).

## ScanMaker 1000XL • ScanMaker 1000XL Pro

Like the 9800XL, the ScanMaker 1000XL and ScanMaker 1000XL Pro are large format scanners that can scan documents up to A3 size, or 12 x 17". However, the 1000XL and 1000XL Pro offer even higher resolution scanning with a 3200 x 6400 dpi resolution. The ScanMaker 1000XL Pro includes a 12 x 16" transparency media adapter and LaserSoft's SilverFast Ai 6 scanning software.

## ScanMaker 1000XL Adds -

- ◆ 3200 x 6400-dpi resolution allows greater enlargement of scanned images
- ◆ 4.0 max. density with multiple sampling
- ◆ 41,300-element CCD for superior images
- ◆ Zero Reflection Design Technology eliminates artifacts created by light reflection, dramatically improving digital images.
- ◆ Scan Time: 15 seconds (300 dpi) and 25 seconds (600 dpi) when scanning 4 x 6" color photo

ScanMaker 1000XL (MISM1000XL).....1,899.95

ScanMaker 1000XL Pro (MISM1000XLP) .....2,349.95



## ScanMaker 1000XL Pro Adds -

- ◆ 12 x 16" compatible transparency media adapter
- ◆ SilverFast Ai 6 from LaserSoft Imaging